

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	141	fluorine with oxygen with radical\$1 with ion\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 15:29
L2	117	1 and @ad<"20031105"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:21
L3	26032	radical\$1 near3 (oxygen or O2 or "O2" or "O.sub.2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:12
L4	12775	radical\$1 near3 (fluorine or F or "F" or CF4 or "CF4" or "CF.sub.4" or "C F.sub.4" or CHF3 or "CHF3" or "CHF.sub.3" or "CH F.sub.3" or "C H F.sub.3" or "C HF.sub.3" or SF6 or "SF6" or "SF.sub.6" or "S F.sub.6" or NF3 or "NF3" or "NF.sub.3" or "N F.sub.3" or C2F6 or "C2F6" or "C. sub.2F.sub.6" or "C.sub.2 F.sub.6" or C4F8 or "C4F8" or "C.sub.4F.sub.8" or "C.sub.4 F.sub.8" or CH2F2 or "CH2F2" or "CH.sub.2F.sub.2" or "C H.sub.2 F.sub.2" or CH3F or "CH3F" or "CH.sub.3F" or "CH.sub.3 F" or "C H.sub.3 F" or C4F6 or "C4F6" or "C.sub.4F.sub.6" or "C.sub.4 F.sub.6")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:12
L5	1328	3 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 15:47
L6	1315	plasma with 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 15:48

EAST Search History

L7	1105	plasma with 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 15:48
L8	124	6 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 15:49
L9	12150	radical\$1 near4 ion\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 15:50
L10	46	8 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 15:50
L11	0	("2005/0095869").URPN.	USPAT	OR	OFF	2006/03/08 16:07
L12	0	radical\$1 adj (to or per) adj ion\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:11
L13	2	radical-to-ion\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:09
L14	0	ion\$1 adj (to or per) adj radical\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:11
L15	27966	ion\$1 near3 (oxygen or O2 or "O2" or "O.sub.2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:12

EAST Search History

L16	35832	ion\$1 near3 (fluorine or F or "F" or CF4 or "CF4" or "CF.sub.4" or "C F.sub.4" or CHF3 or "CHF3" or "CHF.sub.3" or "CH F.sub.3" or "C H F.sub.3" or "C HF.sub.3" or SF6 or "SF6" or "SF.sub.6" or "S F.sub.6" or NF3 or "NF3" or "NF.sub.3" or "N F.sub.3" or C2F6 or "C2F6" or "C.sub.2F.sub.6" or "C.sub.2 F.sub.6" or C4F8 or "C4F8" or "C.sub.4F.sub.8" or "C.sub.4 F.sub.8" or CH2F2 or "CH2F2" or "CH.sub.2F.sub.2" or "C H.sub.2 F.sub.2" or CH3F or "CH3F" or "CH.sub.3F" or "CH.sub.3 F" or "C H.sub.3 F" or C4F6 or "C4F6" or "C.sub.4F.sub.6" or "C.sub.4 F.sub.6")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:15
L17	599	3 with 15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:15
L18	522	4 with 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:15
L19	14	17 and 18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:15

EAST Search History

L20	73	plasma with radical\$1 with ion\$1 with (oxygen or O2 or "O2" or "O. sub.2") with (fluorine or F or "F" or CF4 or "CF4" or "CF.sub.4" or "C F. sub.4" or CHF3 or "CHF3" or "CHF. sub.3" or "CH F.sub.3" or "C H F. sub.3" or "C HF.sub.3" or SF6 or "SF6" or "SF.sub.6" or "S F.sub.6" or NF3 or "NF3" or "NF.sub.3" or "N F.sub.3" or C2F6 or "C2F6" or "C. sub.2F.sub.6" or "C.sub.2 F.sub.6" or C4F8 or "C4F8" or "C.sub.4F.sub.8" or "C.sub.4 F.sub.8" or CH2F2 or "CH2F2" or "CH.sub.2F.sub.2" or "C H.sub.2 F.sub.2" or CH3F or "CH3F" or "CH.sub.3F" or "CH.sub.3 F" or "C H.sub.3 F" or C4F6 or "C4F6" or "C.sub.4F.sub.6" or "C.sub.4 F.sub.6")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:23
L21	63	20 and @ad<"20031105"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:21
L22	806	radical\$1 with ion\$1 with (ratio\$1 or relation\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:22
L23	3	20 and 22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:22

EAST Search History

L24	401	plasma same radical\$1 same ion\$1 same (oxygen or O2 or "O2" or "O.sub.2") same (fluorine or F or "F" or CF4 or "CF4" or "CF.sub.4" or "C F.sub.4" or CHF3 or "CHF3" or "CHF.sub.3" or "CH F.sub.3" or "C H F.sub.3" or "C HF.sub.3" or SF6 or "SF6" or "SF.sub.6" or "S F.sub.6" or NF3 or "NF3" or "NF.sub.3" or "N F.sub.3" or C2F6 or "C2F6" or "C.sub.2F.sub.6" or "C.sub.2 F.sub.6" or C4F8 or "C4F8" or "C.sub.4F.sub.8" or "C.sub.4 F.sub.8" or CH2F2 or "CH2F2" or "CH.sub.2F.sub.2" or "C H.sub.2 F.sub.2" or CH3F or "CH3F" or "CH.sub.3F" or "CH.sub.3 F" or "C H.sub.3 F" or C4F6 or "C4F6" or "C.sub.4F.sub.6" or "C.sub.4 F.sub.6")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:26
L25	16	24 and 22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:26
S1	135	(etch\$4 or remov\$4) with plasma with radical\$1 with (oxygen or O2 or "O2" or "O.sub.2") with (fluorine or F or "F" or CF4 or "CF4" or "CF.sub.4" or "C F.sub.4" or CHF3 or "CHF3" or "CHF.sub.3" or "CH F.sub.3" or "C H F.sub.3" or "C HF.sub.3" or SF6 or "SF6" or "SF.sub.6" or "S F.sub.6" or NF3 or "NF3" or "NF.sub.3" or "N F.sub.3" or C2F6 or "C2F6" or "C.sub.2F.sub.6" or "C.sub.2 F.sub.6" or C4F8 or "C4F8" or "C.sub.4F.sub.8" or "C.sub.4 F.sub.8" or CH2F2 or "CH2F2" or "CH.sub.2F.sub.2" or "C H.sub.2 F.sub.2" or CH3F or "CH3F" or "CH.sub.3F" or "CH.sub.3 F" or "C H.sub.3 F" or C4F6 or "C4F6" or "C.sub.4F.sub.6" or "C.sub.4 F.sub.6")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 08:35
S2	417934	(silicon adj nitride\$1) or SiN or Si3N4 or "Si3N4" or "Si.sub.3N.sub.4" or "Si.sub.3 N.sub.4"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 08:35

EAST Search History

S3	7	S1 with (S2 or nitride\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/25 11:23
S4	3	((("6524950") or ("6579791") or ("6616855")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/02 17:23
S5	142	(etch\$4 or remov\$4) with plasma with radical\$1 with (oxygen or O2 or "O2" or "O.sub.2") with (fluorine or F or "F" or CF4 or "CF4" or "CF.sub.4" or "C F.sub.4" or CHF3 or "CHF3" or "CHF.sub.3" or "CH F.sub.3" or "C H F.sub.3" or "C HF.sub.3" or SF6 or "SF6" or "SF.sub.6" or "S F.sub.6" or NF3 or "NF3" or "NF.sub.3" or "N F.sub.3" or C2F6 or "C2F6" or "C.sub.2F.sub.6" or "C.sub.2 F.sub.6" or C4F8 or "C4F8" or "C.sub.4F.sub.8" or "C.sub.4 F.sub.8" or CH2F2 or "CH2F2" or "CH.sub.2F.sub.2" or "C H.sub.2 F.sub.2" or CH3F or "CH3F" or "CH.sub.3F" or "CH.sub.3 F" or "C H.sub.3 F" or C4F6 or "C4F6" or "C.sub.4F.sub.6" or "C.sub.4 F.sub.6")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:04
S6	426701	(silicon adj nitride\$1) or SiN or Si3N4 or "Si3N4" or "Si.sub.3N.sub.4" or "Si.sub.3 N.sub.4"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:07
S7	775	radical\$1 with ion\$1 with (ratio\$1 or relation\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:21
S8	7	S5 with S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 08:37
S9	1	S7 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 08:38

EAST Search History

S10	37881	(etch\$4 near2 stop\$4) or etch-stop\$4 or etched-stop\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 08:46
S11	2	S5 with S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 08:46
S12	6	S5 same S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 08:49
S13	20	S5 same S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 08:50
S14	298698	nitride\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 09:03
S15	7	S5 with S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 09:04
S16	1	S15 not S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 09:04
S17	19	S5 same S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 09:05

EAST Search History

S18	1	S17 not S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 09:06
S19	6027	(copper\$1 or Cu or "Cu") near8 damascene\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:01
S20	6	S5 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 09:07
S21	223	(prevent\$4 or minimiz\$4 or eliminat\$4 or reduc\$4 or stop\$4 or avoid\$4 or diminish\$4 or decreas\$4) near5 back near5 sputter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 09:31
S22	1570711	copper\$1 or Cu or "Cu"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:01
S23	12	S21 with S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:01

EAST Search History

S24	251	plasma with radical\$1 with (oxygen or O2 or "O2" or "O.sub.2") with (fluorine or F or "F" or CF4 or "CF4" or "CF.sub.4" or "C F.sub.4" or CHF3 or "CHF3" or "CHF.sub.3" or "CH F.sub.3" or "C H F.sub.3" or "C HF.sub.3" or SF6 or "SF6" or "SF.sub.6" or "S F.sub.6" or NF3 or "NF3" or "NF.sub.3" or "N F.sub.3" or C2F6 or "C2F6" or "C.sub.2F.sub.6" or "C.sub.2 F.sub.6" or C4F8 or "C4F8" or "C.sub.4F.sub.8" or "C.sub.4 F.sub.8" or CH2F2 or "CH2F2" or "CH.sub.2F.sub.2" or "C H.sub.2 F.sub.2" or CH3F or "CH3F" or "CH.sub.3F" or "CH.sub.3 F" or "C H.sub.3 F" or C4F6 or "C4F6" or "C.sub.4F.sub.6" or "C.sub.4 F.sub.6")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 16:19
S25	2	S23 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:04
S26	690	(etch\$4 or remov\$4) same plasma same radical\$1 same (oxygen or O2 or "O2" or "O.sub.2") same (fluorine or F or "F" or CF4 or "CF4" or "CF.sub.4" or "C F.sub.4" or CHF3 or "CHF3" or "CHF.sub.3" or "CH F.sub.3" or "C H F.sub.3" or "C HF.sub.3" or SF6 or "SF6" or "SF.sub.6" or "S F.sub.6" or NF3 or "NF3" or "NF.sub.3" or "N F.sub.3" or C2F6 or "C2F6" or "C.sub.2F.sub.6" or "C.sub.2 F.sub.6" or C4F8 or "C4F8" or "C.sub.4F.sub.8" or "C.sub.4 F.sub.8" or CH2F2 or "CH2F2" or "CH.sub.2F.sub.2" or "C H.sub.2 F.sub.2" or CH3F or "CH3F" or "CH.sub.3F" or "CH.sub.3 F" or "C H.sub.3 F" or C4F6 or "C4F6" or "C.sub.4F.sub.6" or "C.sub.4 F.sub.6")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:05
S27	578570	S6 or S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:07

EAST Search History

S28	85	S26 same S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:08
S29	3	S28 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:10
S30	6	S28 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/06 10:36